

Δ HABERLEŞME PROTOKOLLERİ

- UART
- USART
- I2C
- SPI

Δ COMPONENT TEDARİK SİTELERİ

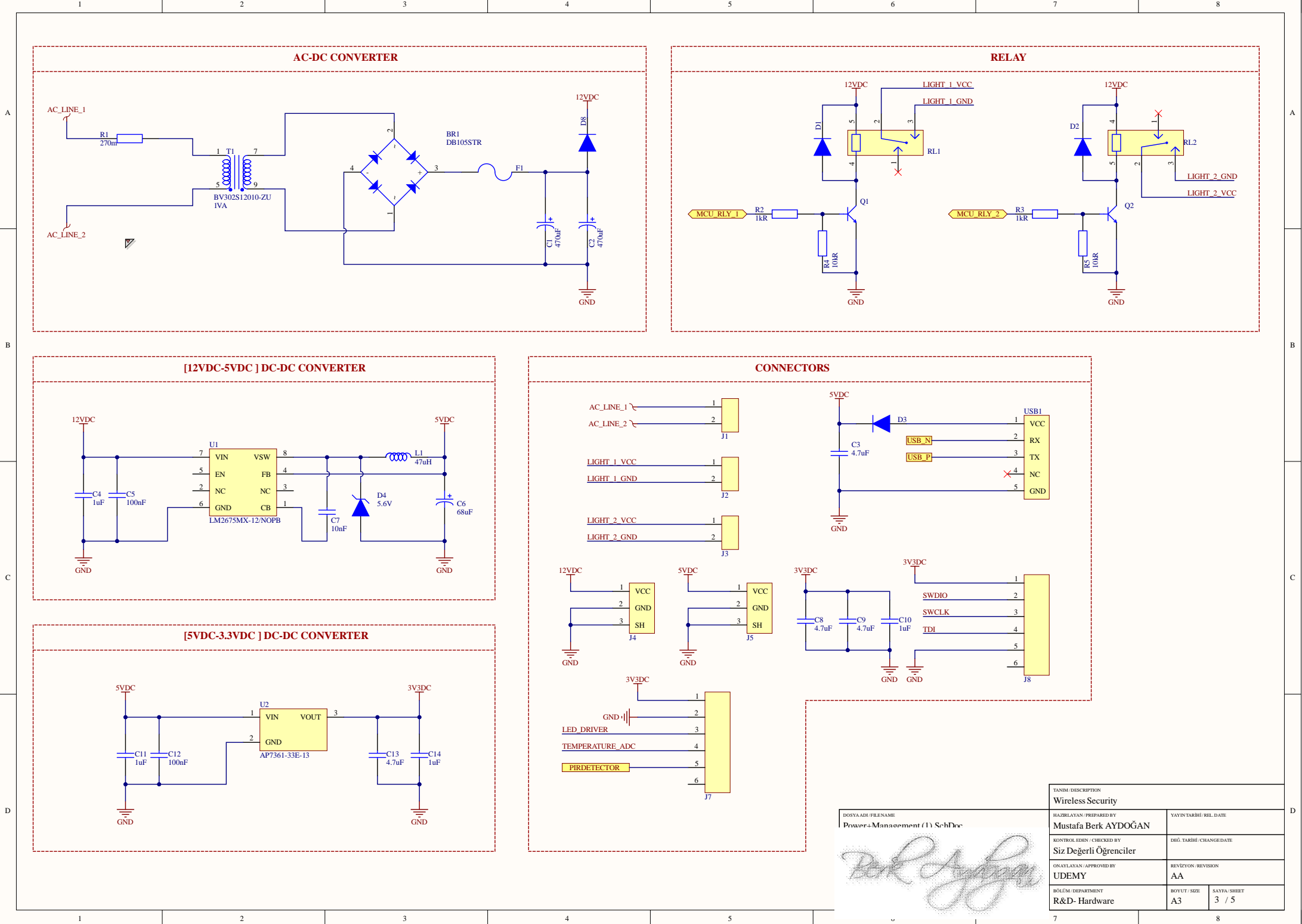
- Digi-Key
- Mouser
- Farnell
- RS Component
- LCSC

Δ

- Resistors: RC0603FR-0710KL
- Capacitors: C0603C104K4RACTU
- ALA7DA471CF450
- PCR1E471MCL1GS

Δ KOMPONENTLER

- RTC: M41T00
- WIFI MODUL: ESP32-WROOM
- PYRO SENSOR: LHI 878/3902
- TEMPERATURE OUTSIDE: TFPT1206L1002FM
- TEMPERATURE INSIDE: MAX6662MSA+
- MCU: STM32F103C6T6A
- RELAY: ALQ112
- BUZZER: CML9605IC-0580T
- SENSOR ON/OFF: EG1215AA
- AC-DC CONVERTOR
- TRAFO: BV302S12010-ZU
- BRIDGE DIODES: DB105STR
- DC-DC CONVERTOR
- 5VDC: LM2675MX-12/NOBP
- 3.3VDC: AP7361-33E-13
- LED DRIVER MOSFET: SSM3K357R, LF



A

B

C

D

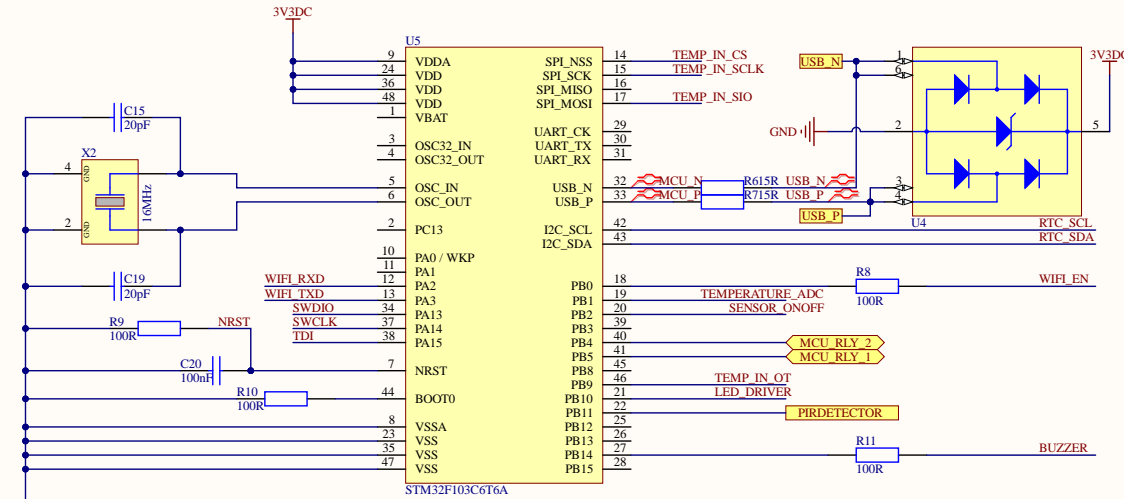
A

B

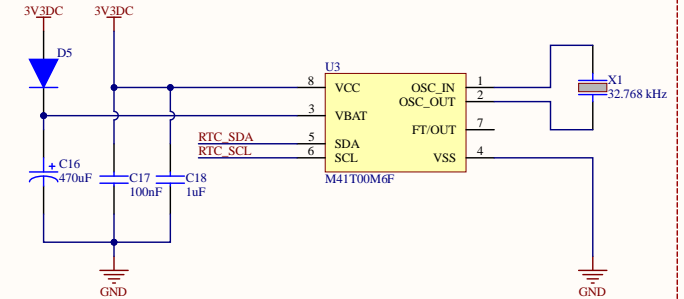
C

D

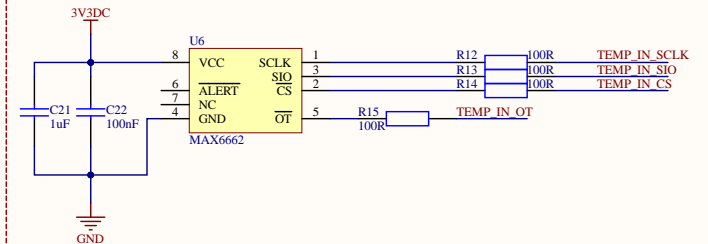
MICROCONTROLLER



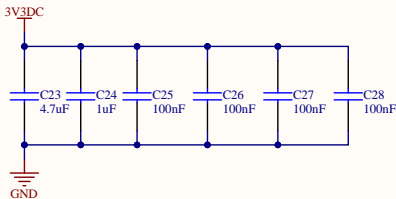
RTC



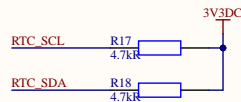
TEMPERATURE SENSOR



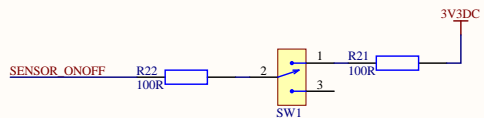
DECOUPLING CAPACITORS



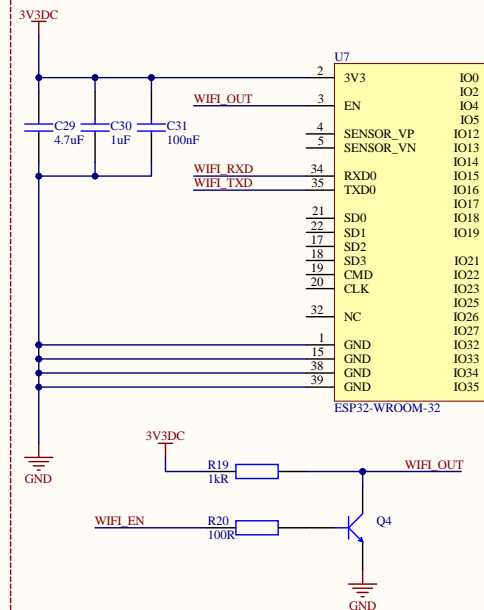
PULL-UP&PULL-DOWN RES.



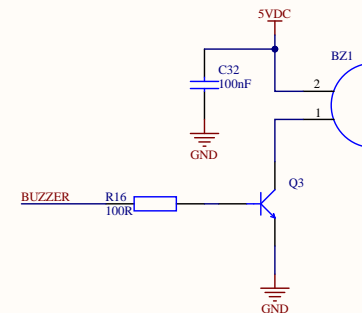
SENSOR ON/OFF



WI-FI MODULE



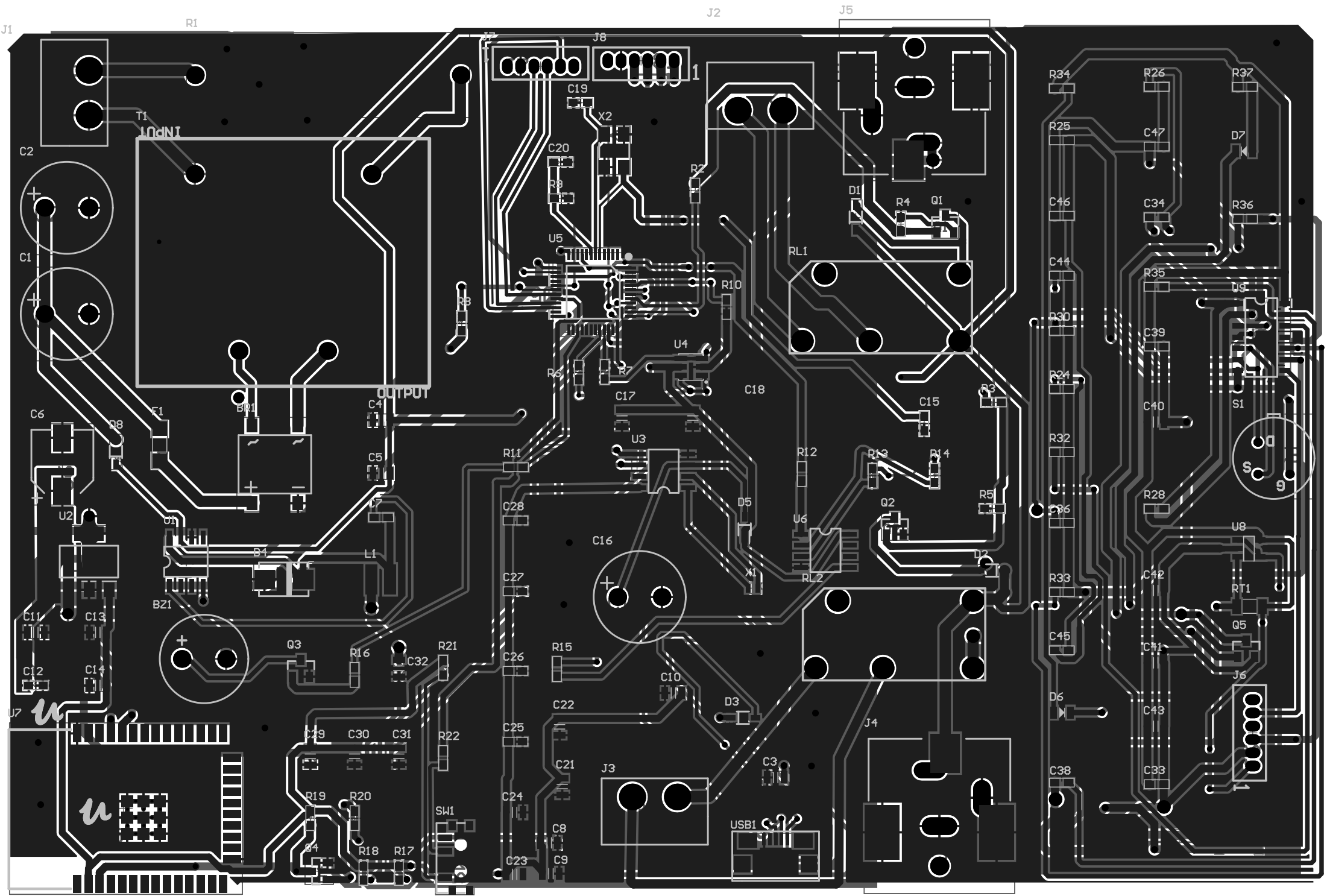
BUZZER



DOSYA ADI/FILENAME
Microcontroller Sch.Doc

Berk Aydoğan

TANIM/DESCRIPTION		
Wireless Security		
HAZIRLAYAN / PREPARED BY	Mustafa Berk AYDOĞAN	YAYIN TARİHİ / REL. DATE
KONTROL EDEN / CHECKED BY	Siz Değerli Öğrenciler	DEĞ. TARİHİ / CHANGE DATE
ONAYLAYAN / APPROVED BY	UEMEY	REVİZYON / REVISION
BÖLÜM / DEPARTMENT	R&D - Hardware	BOYUT / SIZE
		SAYFA / SHEET
		4 / 5



Board Stack Report